

Chapter 1: Geometrical Optics

Daniel and Thomas Lockwood

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1.1 The Stenopaic Spectacles

In this lab we were instructed to look out of a lens with a bunch of holes. We were able to observe, after looking into the glasses, a slight dim in brightness. It was easy to see small print writing. I could see the writing on my journal in a sort of zoom in. The writing was tiny before the glasses, however after the width was noticeably bigger.

1.2 The Laws of Reflection and Refraction

1.3.1 Apparent Depth of a Tank of Water

1.3.2 Apparent Thickness of a Block of Lucite

1.5 The Prism Spectrometer

1.6.1 Power of a Thin Prism

1.6.2 The Risley Prism

1.7.1 Internal Reflection in a Bar

1.7.2 Internal Reflection in a Coil

1.7.3 A Bundle of Fibers

1.7.4 Coherent Fiber Optics

1.7.5 An Illuminator